

Kabillion

Commercial Digital Delivery File Specifications & Ancillary Material

V. 1.8 1/04/22

URL: <https://www.kabillion.com/kabillion-video-specifications>

Materials delivered to Kabillion will be used for broadcast across all Kabillion & Kabillion Girls Rule Networks, which may include; Broadcast TV VOD, digital streaming, digital download etc. This document is intended to be distributed to all studio and event suppliers or their post-production labs, which deliver material for distribution across part or all of the Kabillion platforms.

Document Layout:

- **Preferred Specifications** - the optimal formats for delivery
- **Secondary Specifications** - also acceptable for us to re-format and use
- **Formatting** - preferred file layout and naming conventions
- **Rejection Reasons** - details causes for rejection of digital files
- **Additional Material**
- **Preferred Delivery Methods**

Note: High Definition formats are always preferred over Standard Definition formats when available. Native formats are preferred over transcoded versions.

Preferred Video Specifications:

HD 1080p

Container:

QuickTime

Codec:

Apple ProRes 422 (High Quality) (1080p)

Size:

1920x1080

Frame Rate:

23.976

Muxed Data Rate:

~175 Mbs

(minimum ~115 - 130 Mbs or greater depending on audio tracks)

Color Levels

709

Audio Codec:

PCM

Audio Sample Rate/Bit Depth:

48 kHz/16-bit

Audio Config:

8 channel split (Stereo Mix, Stereo M&E, narration, dialogue, stereo music, stereo effects)

SD NTSC

Container:

QuickTime

Codec:

Apple ProRes 422 (High Quality) (NTSC)

Size:

720x486

Non Square Pixels

Frame Rate:

29.97 (lower field dominance)

Time Code:

Drop Frame TC

Muxed Data Rate:

~33 Mbs or greater depending on audio tracks

Color Input:

ITU-R 601

Audio Codec:

PCM

Audio Sample Rate/Bit Depth:

48 kHz/16-bit

Audio Config:

8 channel split (Stereo Mix, Stereo M&E, narration, dialogue, stereo music, stereo effects)

Secondary Specifications:

(DO NOT Adjust your “Native” video format to fit specs. Please deliver us videos in native format whenever possible.)

HD 1080i, 1080p 24 or 720p 59.94

Acceptable Containers:

AVID DNxHD, MOV (QuickTime), MP4, MXF, MPG,TS, DV-AVI

Codecs:

Apple ProRes 422

MPEG-2 at 50 mbs or higher

MPEG-4 at 35 mbs or higher

SD NTSC

Acceptable Containers:

MOV (QuickTime), MP4, MXF, MPG,TS, DV-AVI

Codecs:

Apple ProRes 422

AVID DV50

MPEG-2 at 25 mbs or higher
MPEG-4 at 15 mbs or higher
DV50

High Definition Digital Tape Delivery:

HDCAM SR Tape preferred (HDCAM acceptable)
1920x1080 23.976p
16x9 10-bit
4:2:2 color preferred

*Tape must contain 30 seconds of SMPTE high definition Color Bars test signal as per SMPTE RP-219-2002, with multichannel audio tone at reference level on all tracks containing program audio content

Audio Assignments:

Channels 1 & 2: Full Stereo Mix, Left and Right

Channels 3 & 4: Stereo Music and Effects, Left and Right

HDCAM SR –Need to meet above audio requirements any additional tracks accepted above and beyond.

SD Digital Tape Delivery:

NTSC DBC 4x3 DFTC
ch 1&2: full stereo mix L&R;
ch 3&4: M&E L&R
100% QC report in shippers,
Full Screen (1.33 to 1)

Audio Assignments:

Channels 1 & 2: Full Stereo Mix, Left and Right

Channels 3 & 4: Stereo Music and Effects, Left and Right

Formatting:

Suggested File Video Layout:

2 Seconds of black
3 Second (minimum) slate (countdown starting from 5 Seconds)
2 Pop (1 Second and 28 frames black follow 2 pop before start of video)
Spot (15 = end on 14;29, 30 = 29;29, 60 = 59;59 etc.)
2 Seconds of black
End pop
5 seconds of black trailer

Suggested File Naming Convention:

File name should contain:

- Feature name (i.e.: Series name)
- Secondary name (i.e. Episode Number and/or Episode Name)
- Length (i.e.: 22, 11, 15, 30, 60 or 2.37)
- Version (i.e.: Series, PPVspot, MOD spot, TRAILER, EPK, BTS etc.)
- Audio Config (i.e.: 2ch, 4chSPLIT, 6chSPLIT, 5-1 etc.)
- Example: THEEAGLE_Ep101_Series_11_4ch

Rejections:

Kabillion tests inbound files on the following criteria:

Frame Size

Is the video width and height in a broadcast standard format?

Standard frame sizes include: 640x480, 720x480, 720x486, 1280x720, 1920x1080

Frame Rate

Is the video frame rate in a broadcast standard format?

Standard frame rates include: 23.98, 24, 29.97, 30, 59.94, 60 fps

Scan Type

Is the scan appropriate for the video type?

Appropriate matches are as follows:

NTSC (standard def.) – Bottom Field First

720P (HD) – Progressive

1080i – Interlaced

1080p – Progressive

Video Bitrate

Is the video bitrate sufficiently high enough for the frame size to not have macroblocking or quality issues?

HD bitrates must be above 35mbs.

SD bitrates must be above 15 mbs.

Audio Sample Rate and Bit Depth

Is the audio sample rate 48k and 16 or 24 bit broadcast standard format?

Macroblocking

Does the video contain macroblocking?

- Macroblocking is sometimes referred to as “pixelization” in layman’s terms. It happens when video that has too much action, too big of a frame size, too high of a frame rate or too much detail is being squeezed into a video bitrate that is too small.

Preferred Delivery Methods:

Kabillion’s FTP

When material is uploaded please send email notifications to your contact at Kabillion as we do not receive automated upload notifications.

For PC’s (using “Windows Explorer”

[FTP://67.52.107.118/](ftp://67.52.107.118/)

UserName: commercialdropbox@kabillion

Password: KabCom1

For Mac's (using a web browser, Chrome works best)
Link <https://driveuploader.com/upload/iDCFiaxSoK/>